

**CLAIMS:**

1. A cigarette comprising a tobacco rod, a cigarette paper/wrapper for the tobacco rod, and optionally a filter, wherein at least one of the tobacco rod, the  
5 cigarette paper/wrapper and the filter comprise ceria/zirconia fibres.
2. The cigarette of claim 1, wherein the ceria/zirconia fibres are porous.
3. The cigarette of claim 1, wherein the ceria/zirconia fibres have a surface  
10 area in the range of about 1 to about 200 m<sup>2</sup>/g.
4. The cigarette of claim 1, wherein the ceria/zirconia fibres have a surface area less than about 1 m<sup>2</sup>/g.
- 15 5. The cigarette of claim 1, wherein the cigarette paper/wrapper comprises porous ceria/zirconia fibres.
6. The cigarette of claim 1, wherein the cigarette paper/wrapper comprises ceria/zirconia fibres having a surface area greater than about 20 m<sup>2</sup>/g.  
20
7. The cigarette of claim 5 or 6, wherein the cigarette paper/wrapper reduces sidestream smoke, the cigarette paper/wrapper comprising a sidestream smoke reducing composition and the ceria/zirconia fibres.
- 25 8. The cigarette of any one of claims 1, 2, 3, 5, 6 and 7, wherein the ceria/zirconia fibres are made by fiberizing an aqueous solution of a zirconium compound, ceria and a crystalline, colloidal zirconia sol; and heating the ceria/zirconia fibres to a temperature less than about 1100°C.
- 30 9. The cigarette of any one of claims 1 to 8, wherein the ceria/zirconia fibres comprise up to about 50% by weight ceria.

10. The cigarette of any one of claims 1 to 9, wherein the tobacco rod comprises about 1 to about 15% by weight of the ceria/zirconia fibres.
11. The cigarette of any one of claims 1 to 10 comprises the filter.
12. The cigarette of claim 11, wherein the filter comprises the ceria/zirconia fibres.
13. The cigarette of claim 12, wherein a cavity defined in the filter comprises the ceria/zirconia fibres.
14. The cigarette of claim 12 or 13, wherein the filter comprises the ceria/zirconia fibres and conventional fibres.
15. 15. The cigarette of any one of claims 1 to 6, wherein the cigarette paper/wrapper comprises the ceria/zirconia fibres and conventional cigarette paper/wrapper fibres.
16. The cigarette of any one of claims 1 to 6, wherein the cigarette paper/wrapper comprises up to 65% by weight of the ceria/zirconia fibres and at least 35% by weight of a conventional cigarette paper/wrapper filler and/or conventional cigarette paper/wrapper fibres.
17. The cigarette of claim 16, wherein the cigarette paper/wrapper comprises about 30 to about 40% by weight of the ceria/zirconia fibres, about 30 to about 40% by weight of the conventional cigarette paper/wrapper fibres and about 20 to about 40% by weight of the conventional cigarette paper/wrapper filler.
18. The cigarette of claim 15, 16 or 17, wherein the conventional cigarette paper/wrapper fibres are cellulosic fibres.

19. The cigarette of claim 16 or 17, wherein the conventional cigarette paper/wrapper filler is selected from the group consisting of a ceramic, a clay, a binder and a sheet reinforcement material.
- 5 20. The cigarette of any one of claims 1 to 19 further comprising a conventional cigarette paper between the tobacco rod and the cigarette paper/wrapper.